## DO NOT CITE OR QUOTE

## Table III (1 of 2) Identification of Emerging Technologies Source Category: Portland Cement Kilns

**Pollutant:** NOx

Description of Emerging Technology	Status	Source	Comments
process modification to get more optimum kiln operation, e.g., excess air control	unknown	Alternative Control Techniques DocumentNOx Emissions from Cement Manufacturing	approximate emission reduction of 25%
staged combustion in precalciner	unknown	Alternative Control Techniques DocumentNOx Emissions from Cement Manufacturing	30-45 % emission reduction
conversion to indirect firing with a low NOx burner	unknown	Alternative Control Techniques DocumentNOx Emissions from Cement Manufacturing	20-30 % emission reduction
selective non-catalytic reduction with either ammonia or urea	unknown	Alternative Control Techniques DocumentNOx Emissions from Cement Manufacturing	30-70 % emission reduction
selective catalytic reduction	unknown	Alternative Control Techniques DocumentNOx Emissions from Cement Manufacturing	80-90 % emission reduction

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